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## Publications

### Refereed articles

#### 2015

1. Ochoa-Corona FM, Lebas BSM, Ward LI. 2015. New Zealand stresses that it is *High Plains virus* free, and the virus struggles with an identity crisis. J Virol 89:7439 –7440. doi:10.1128/JVI.00676-15.
2. Arif M, Opit G, Mendoza-Yerbafría A, Dobhal S, Li Z, Kučerová Z, et al. (2015) Array of Synthetic Oligonucleotides to Generate Unique Multi-Target Artificial Positive Controls and Molecular Probe-Based Discrimination of *Liposcelis* Species. PLoS ONE 10(6): e0129810. doi:10.1371/journal.pone.0129810.
3. Ryosuke Yasaka, Kiho Ohba, Mark W. Schwinghamer, John Fletcher , Francisco M. Ochoa Corona, John E. Thomas, Simon Y. W. Ho, Adrian J. Gibbs and Kazusato Ohshima. 2014. Phylodynamic evidence of the migration of turnip mosaic potyvirus from Europe to Australia and New Zealand. J Gen Virol. 2015 96:701-713. doi: 10.1099/jgv.0.000007
4. Shefali Dobhal, Mohammad Arif, Jen Olsen, Abby Mendoza-Yerbafría, Stefanny Aguilar-Moreno, Marcos Perez-Garcia and Francisco M. Ochoa-Corona. Sensitive detection and discrimination method for studying multiple infections of five major plant viruses infecting ornamental plants in nursery environments. Ann Appl Biol. 166:286-296; DOI: 10.1111/aab.12182

#### 2014

5. Arif, M., Dobhal, S., Garrido, P. A., Orquera, G. K., Espíndola, A. S., Young, C. A., Ochoa-Corona, F. M., Marek, S. M., and Garzón, C. D. 2014. Highly sensitive end-point PCR and SYBR green qPCR detection of *Phymatotrichopsis omnivora*, causal fungus of cotton root rot. Plant Dis. 98:1205-1212.
6. Arif, M., G. S. Aguilar-Moreno, A. Wayadande, J. Fletcher and **F. M. Ochoa-Corona**. 2014. Primer modification improves rapid and sensitive *in vitro* and field deployable assays for detection of *High plains virus* variants. Applied and Environmental Microbiology. Vol. 80 (1):32-327. doi:10.1128/AEM.02340-13.

#### 2013

7. Ouyang P., M. Arif, J. Fletcher, U. Melcher and **F. M. Ochoa-Corona**. 2013. Enhanced reliability and accuracy for field deployable bioforensic detection and discrimination of *Xylella fastidiosa* subsp. *pauca*, causal agent of citrus variegated chlorosis using Razor Ex technology and TaqMan quantitative PCR. PLOS ONE 8 (11): e81647.
8. Caasi, Donna Ria J., Arif Mohammad, Payton Mark, Melcher Ulrich, Winder Louise, **Ochoa-Corona Francisco M.** 2013. A multi-target, non-infectious and clonable artificial positive control for routine PCR-based assays, Journal of Microbiological Methods 95: 229-234. Published on-line as <http://dx.doi.org/10.1016/j.mimet.2013.08.017>
9. Stobbe, A.H., J. Daniels, A.S. Espindola, R. Verma, U. Melcher, **F. Ochoa-Corona**, C. Garzon, J. Fletcher, William Schneider. 2013. E-probe Diagnostic Nucleic acid Analysis (EDNA): A theoretical approach for handling of next generation sequencing data for diagnostics. Journal of Microbiological Methods 94:356-366. Published on-line as <http://dx.doi.org/10.1016/j.mimet.2013.07.002>
10. MacDiarmid, R, Rodoni, B., Melcher, U., **Ochoa-Corona, F.**, Roossinck, M. 2013. Biosecurity implications of new technology and discovery in plant virus research. PLoS Pathogen 9(8): e1003337. Digital Object Identifier, doi:10.1371/journal.ppat.1003337

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11. Arif, M., J. Fletcher, S. M. Marek, U. Melcher and **F. M. Ochoa-Corona**. 2013. Development of a rapid, sensitive and field deployable Razor Ex BioDetection System and qPCR assay for detection of *Phymatotrichopsis omnivora* using multiple gene targets. *Appl. Environ. Microbiol.* 79 (7): 2312-20. Digital Object Identifier, doi:10.1128/AEM.03239-12
12. Arif, Mohammad, **Francisco M. Ochoa-Corona**. 2013. Comparative assessment of 5' A/T-rich overhang sequences with optimal and sub-optimal primers to increase PCR yields and sensitivity. *Molecular Biotechnology* 55:17–26. Digital Object Identifier, doi:10.1007/s12033-012-9617-5
13. Arif, M. S. Dobhal, G. K. Orquera, P. A. Garrido, A. S. Espíndola, C. A. Young, **F. M. Ochoa-Corona**, S. M. Marek and C. D. Garzón. 2013. Highly sensitive end-point PCR and SYBR Green qPCR detection of *Phymatotrichopsis omnivora*, causal fungus of cotton root rot. *Plant Disease*. (Accepted under revision).

### 2012

14. Arif, M., **Ochoa-Corona, F.M.**, Opit, G.P., Li, Z., Kucerová, Z., Stejskal, V., Yang, Q. 2012. PCR and isothermal-based molecular identification of the stored-product psocid pest *Lepinotus reticulatus* (Psocoptera: Trogiidae). *J. Stored Prod. Res.* 49: 184–188. Digital Object Identifier, doi:10.1016/j.jspr.2012.02.001
15. **Ochoa-Corona F.M.**, B. Rodoni and J. Tang. 2012. A survey on the methods of primer design among plant pathologists in Australia and New Zealand. *Journal of Life Sciences* 6 (5): 476-480.

### 2011

16. **Ochoa-Corona, F. M.** 2011. Biosecurity, microbial forensics and plant pathology: education challenges, overlapping disciplines and research needs. *Australasian Plant Pathol.* 40: 335–338. Digital Object Identifier, DOI 10.1007/s13313-011-0052-z
17. Winder, L.; Phillips, C.; Richards, N.; **Ochoa-Corona, F.**; Hardwick, S.; Vink, C.; Goldson, S. 2011. Evaluation of DNA melting analysis as a tool for species identification. *Methods in Ecology and Evolution* 2 (3):229-332. Digital Object Identifier, doi: 10.1111/j.2041-210X.2010.00079.x

### 2010

18. **Ochoa-Corona, F.M.**, J. Z. Tang, B. S. M. Lebas, L. Rubio, A. Gera and B. J. R. Alexander. 2010. Diagnosis of *Broad bean wilt virus 1* and *Verbena latent virus* in *Tropaeolum majus* in New Zealand. *Australasian Plant Pathology* 39 (2): 120-124. Includes credit for issue cover page. Digital Object Identifier, 10.1071/AP09070



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19. Tang, J., J. D. Olson, **F. M. Ochoa-Corona** and G. R. G. Clover. 2010. *Nandina domestica*, a new host of *Apple stem grooving virus* and *Alternanthera mosaic virus*. Australasian Plant Disease Notes 5, 1–3. Digital Object Identifier,10.1071/DN10010

### 2009

20. Elliott, D. R., B. S. M. Lebas, **F. M. Ochoa-Corona**, J. Tang, B. J. R. Alexander. 2009. Investigation of *Impatiens necrotic spot virus* outbreaks in New Zealand. Australasian Plant Pathology 38 (5):490 – 495. Digital Object Identifier,10.1071/AP09031
21. Lebas, B. S. M., **F.M. Ochoa-Corona**, D.R. Elliott, J. Tang, A.G. Blouin, O. E. Timudo, S. Ganey and B. J. R. Alexander. 2009. Investigation of an outbreak of Soil-borne wheat mosaic virus in New Zealand. Australasian Plant Pathology 38: 85–9. Digital Object Identifier, 10.1071/AP08082
22. Lebas B.S.M., **F.M. Ochoa-Corona**, B.J.R. Alexander, R.A. Lister, J.D.F. Fletcher, S.L. Bithell, and G.M. Burnip. 2009. First report of *Wheat streak mosaic virus* on wheat in New Zealand. Plant Disease 93 (4): 430; Published on-line as DOI: 10.1094/PDIS-93-4-0430B.

### 2008

23. Ward, L.I., Z. Perez-Egusquiza, J.D. Fletcher, **F.M. Ochoa Corona**, J.Z. Tang, L.W.Liefting, E.J. Martin, B.D. Quinn, H.R. Pappu and G.R.G. Clover. 2008. First report of Iris yellow spot virus on *Allium cepa* in New Zealand. Plant Pathology 58 (2): 406. Published on-line as DOI: 10.1111/j.1365-3059.2008.01971.x. Figures accessible at New Disease Reports 17: 38 (<http://www.ndrs.org.uk/article.php?file=2008-43.asp>).

### 2007

24. **Ochoa Corona, F.M.**, B.S.M. Lebas, D. R. Elliott, J.Z. Tang and B. J.R. Alexander. 2007. New host records and new host family range for *Turnip mosaic virus* in New Zealand. Australasian Plant Disease Notes 2: 127-130. Digital Object Identifier, 10.1071/DN07051
25. Lebas, B.S.M., **F. M. Ochoa-Corona**, D. R. Elliott, J. Z. Tang, and B. J. R. Alexander. 2007. Detection of *Poinsettia mosaic virus* by RT-PCR in *Euphorbia* spp. in New Zealand. Plant Dis. 91 (1):110. Published on-line as DOI: 10.1094/PD-91-0110A.
26. Lebas, B.S.M., **F. M. Ochoa-Corona**, Z. J. Tang, R. Thangavel, D. R. Elliott, and B. J. R. Alexander. 2007. First Report of *Spinach latent virus* in Tomato in New Zealand. Plant Dis. 91 (2): 228. Published on-line as DOI: 10.1094/PDIS-91-2-0228A.

### 2006

27. Lebas, B.S.M., **Ochoa-Corona, F.M.**, Elliott, D.R., Double,B., Smales, T., and Wilson, J.A. Control and monitoring: quarantine situation of *Plum pox virus* in New Zealand. Bulletin OEPP/EPPO. 2006. Bulletin 36: 296-301.

### 2005

28. Lebas, B. S. M., **Ochoa-Corona, F. M.**, Elliott, D. R., Tang, Z., and Alexander, B. J. R. 2005. Development of an RT-PCR for *High Plains virus* indexing scheme in New Zealand post-entry quarantine. Plant Dis. 89:1103-1108. 10.1094/PD-89-1103
29. Lebas, B. S. M., G.R.G. Clover, **Ochoa-Corona, F. M.**, Elliott, D. R., Tang, Z., and Alexander, B. J. R. 2005. Distribution of *Potato spindle tuber viroid* in New Zealand glasshouse crops of capsicum and tomato. 2005. Australasian Plant Pathology 34 (2):129-133.

### 1995-1998

30. Rocha-Peña, M.; **F.M. Ochoa**; J.P. Martinez- Soriano; C.N. Roistacher and R.F. Lee. 1998. *Citrus tristeza virus*: Events that occur before, during and after the disease epidemics. Subtropical Plant Science 50: 26-36.

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31. Albanese; G.; R. La Rosa; **F. Ochoa**. 1997. Micoplasma-like organisms (MLO). New criteria for taxonomical classification and present status of the knowledge in Venezuela. A review. (*Organismos similares a los micoplasmas (MLO). Nuevos criterios para su clasificación taxonómica y situación actual de su conocimiento en Venezuela. Una revisión.*). Revista de la Facultad de Agronomía (LUZ)13: 493-502.
32. Hernández, L. and **F. Ochoa**. 1997. ELISA-Das detection of *Xylella fastidiosa* Wells *et al.* In grapevine (*Vitis vinifera* L.), and weeds in vineyards of Mara county, Zulia state, Venezuela (*Detección de Xylella Fastidiosa Wells et al. Por ELISA-Das en Vid (Vitis vinifera L.) y malezas en viñedos el Municipio Mara, estado Zulia, Venezuela*). Revista de la Facultad de Agronomía (LUZ) 14: 297-306.
33. Lee, R.F.; H.R. Pappu; S.S. Pappu; M.A. Rocha-Peña; V.J. Febres; K.L. Manjunath, O.V. Nikolaeva; A.V. Karasev; B. Cevik; M. Akbulut; D. Benschler; E.J. Anderson; M. Price; **F. Ochoa** ; and C. L. Niblett. 1996. Progress on strain differentiation of *Citrus Tristeza Virus*. Revista Mexicana de Fitopatología Vol. 14 (2): 79-87.
34. Nava, A; **F. Ochoa**, G. Trujillo, F. Geraud, L. Hernández, R. Lastra, G Vivas. 1996. Detection of viruses from tomato (*Lycopersicon esculentum* Mill) growing zones in Venezuela. I. Aragua and Zulia states. (*Detección de virus en zonas productoras de tomate (Lycopersicon esculentum Mill) en Venezuela. I. Estados Aragua y Zulia*). Rev.Fac. Agron.(LUZ) 13:285-292.
35. Rocha-Peña, M.; R.F. Lee ; R. Lastra ; C.L. Niblett ; **F. M. Ochoa** ; S. Garnsey, and R. Yokomi. 1995. *Citrus tristeza virus* and its aphid vector *Toxoptera citricida* Kirkaldy: Serious threats to citrus production in the Caribbean Countries, Central America and North America. Plant Disease79 (5): 437-445.

### Articles in Refereed Proceedings

#### 1996-2004

36. Lebas, B.S.M., D.R. Elliot, **F.M. Ochoa-Corona**, J.Z. Tang and B.J.R. Alexander. 2004. *Apple chlorotic leaf spot virus* infection induces *Plum Pox virus*-like symptoms on plum in New Zealand. Acta Horticulturae 657, ISHS. pp 121-125.
37. **Ochoa, F.M.**; B. Cevik, V.J. Febres, C.L. Niblett and R.F. Lee. 2000. Molecular characterization of Florida *Citrus tristeza virus* isolates with potential use in mild strains cross protection. Proc. of the 14<sup>th</sup> Conf. of the Intern. Organ. of Citrus Virologist. J.V. da Graça, R.F. Lee, and R.Y. Yokomi editors. pp 94-102. I.O.C.V. University of California. Riverside. 434 p.
38. **Ochoa, F.**; R. La Rosa; G. Albanese; M. Tessitori; E. Fuggetta. 1996. Survey of citrus viroids in Venezuela. Proc. of the 13<sup>th</sup> Conf. of the Intern. Organ. of Citrus Virologist. R. Yokomi Editors. pp. 354-356. I.O.C.V. Univ. of California Riverside.

### Non Refereed

### Books, Chapters and Manuals

#### 2010

#### Books

39. Committee on Scientific Milestones for the Development of a Gene-Sequence-Based Classification System for the Oversight of Select Agents: James W. LeDuc, Ralph Baric, Roger G. Breeze, R. Mark Buller, Sean Eddy, Stanley Falkow, Rachel E. Levinson, John Mulligan, Alison D. O'Brien, **Francisco Ochoa-Corona**, Jane S. Richardson, Margaret Riley, Sequence-Based Classification of Select Agents:

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A Brighter Line. National Research Council. ISBN: 0-309-15905-9, 234 pages, (2010).  
<http://www.nap.edu/catalog/12970.html>



**2007-2014**

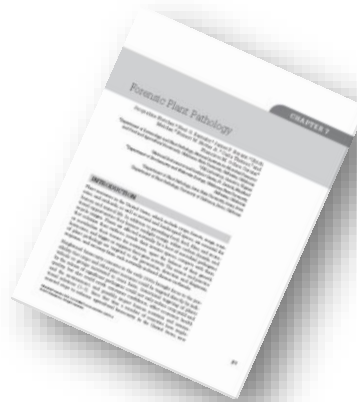
**Chapters**

40. Jacqueline Fletcher, Francisco M. Ochoa Corona, Mark Payton. Plant Disease Diagnostics for Forensic Applications, Chapter 7. In: Detection and Diagnostics of Plant Pathogens. Series: Plant Pathology in the 21st Century, Vol. 5. **Gullino**, Maria Lodovica, **Bonants**, Peter J. M. (Eds.). Springer. 2014, Pages 103-115.

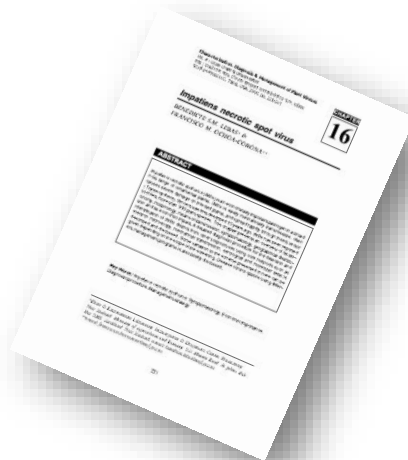


41. Fletcher, J., Barnaby, N. G., Burans, J. P., Melcher, U., Nutter Jr. F.W., Thomas C., and **Ochoa Corona, F.M.**. 2010. Forensic Plant Pathology. In: Microbial Forensics, 2nd Edition. B. Budowle, S.E. Schutzer, R.G. Breeze, P.S. Keim and S.A. Morse Editors. Academic Press-Elsevier. pp. 89-105.

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42. Lebas, B.S.M. and **Ochoa-Corona, F.M.** 2007. *Impatiens necrotic spot virus*. In: Characterization, Diagnosis & Management of Plant Viruses. Vol. 4: Grain Crops & Ornamentals. Eds: Govind P. Rao, Claude Bragard and Bénédicte S.M Lebas. Studium Press LLC, Texas, USA., pp. 221-243.



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**2010**

**Manuals**

43. **Ochoa Corona, F.M.** and Ward, L. 2010. *Citrus* (Citrus), *Fortunella* (Kumquat) & *Poncirus* (Trifoliolate orange) Post-Entry Quarantine Testing Manual. Biosecurity New Zealand. July 2010. 58 pp. Authorship: p. 35. Online access:

<http://www.biosecurity.govt.nz/files/regs/imports/plants/high-value-crops/citrus-testing-manual.pdf>

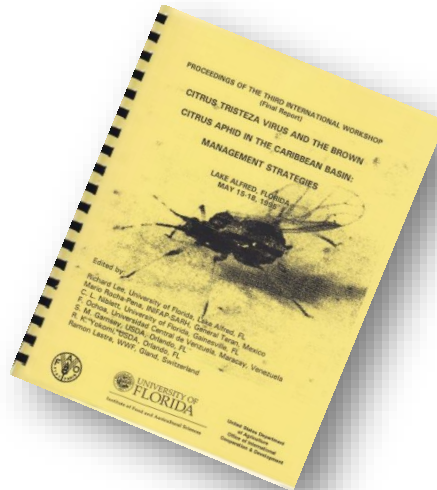


44. Jacqueline Fletcher, Neel G. Barnaby, James P. Burans, Ulrich Melcher, Forrest W. Nutter Jr., Carla Thomas, and **Francisco M. Ochoa Corona**. Chapter 7. Forensic Plant Pathology. In: *Microbial Forensics*, 2<sup>nd</sup> Edition. B. Budowle, S.E. Schutzer, R.G. Breeze, P.S. Keim and S.A. Morse Editors. Academic Press-Elsevier. 2011. pp. 89-105.

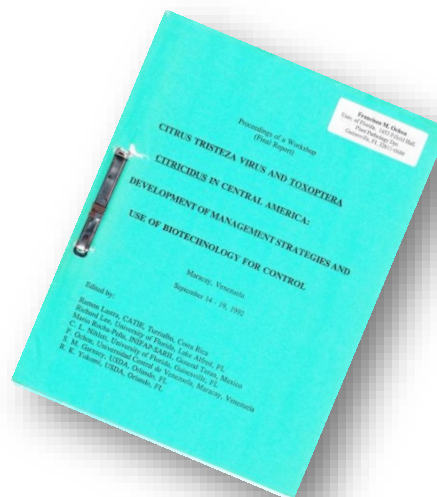
**Editor**

45. Lee, R., M. Rocha-Pena, C. L. Niblett, **F. Ochoa**, S. M. Garnsey, R. K. Yokomi, R. Lastra, eds. 1995. Proceedings of the Third International Workshop. *Citrus tristeza virus* and the Brown Citrus Aphid in the Caribbean Basin: Management Strategies, May 15-18, Lake Alfred, FL. CREC, Lake Alfred, FL 269 pp.

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46. Lastra, R., R. F. Lee, M. Rocha-Pena, C. L. Niblett, **F. Ochoa-Corona**, S. M. Garnsey and R. K. Yokomi, eds. 1992. Proceedings of a Workshop. *Citrus tristeza virus* and *Toxoptera citricidus* in Central America: Development of Management Strategies and Use of Biotechnology for Control. September 14-19, 1992 at Maracay, Venezuela. University of Florida, CREC, Lake Alfred, FL. 287 pp.



### Popular articles

47. Técnicas para diagnóstico molecular e identificación temprana de plagas y enfermedades. ICA Instituto Colombiano Agropecuario.  
<http://www.ica.gov.co/Noticias/Todas/2015/Tecnicas-para-diagnostico-molecular-e-identificaci.aspx>



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48. NIFA-HSI Sponsor Workshop Series in Plant Pathology and Food Sciences at the University of Puerto Rico. *Phytopathology News*. November 2013, Vol.47, Number 10. Page 135.  
[http://www.apsnet.org/publications/phytopathologynews/Issues/2013\\_10.pdf](http://www.apsnet.org/publications/phytopathologynews/Issues/2013_10.pdf)



49. Kim Griggs (Journalist). Disease detectives. *Biosecurity*, issue 64 December 2005 pag. 6-7 and cover page.  
<http://www.biosecurity.govt.nz/publications/biosecurity-magazine/2005>

